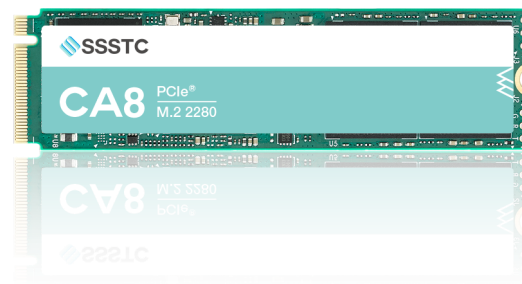


CA8 Series

PCIe® Gen5x4 SSD

Key Features

- The world's first PCIe Gen5 industrial-grade SSD with KIOXIA BiCS FLASH™ generation 8 3D flash memory
- Power-Loss Notification (PLN)
- End-to-End Data Protection
- Low power consumption
- Thermal Throttling
- TCG OPAL 2.02 SED option



Model	CA8 Series
Configuration	
Capacity	512GB~4096GB
Interface	PCIe® Gen5x4
Form Factor	M.2 2280
Performance¹	
Sequential Read / Write (Max.)	14,000/12,000 MB/s
4K Random Read / Write (Max.)	2,000K/1,600K IOPS
Reliability	
MTBF ²	3 million hours
End-to-End Data Protection	Support
Features	
ECC	Support
S.M.A.R.T.	Support
Power-Loss Notification	Support
Self-Encrypting Device (SED)	Optional
Characteristic	
Power Consumption (typ.)(Max.)	9W
Environment	
Operating Temperature	0°C to 85°C
Non-Operating Temperature	-40°C to 85°C

Ordering Information

Operating Temperature	Form Factor	Capacity (GB)	pSLC	PLN	Model Name*
Standard Temp (0°C to 85°C)	M.2 2280	512/ 1024/ 2048 /4096	N	Y	CA8-8DXXX

*xxx = density (ex.256GB=256)

¹ Performance based on internal testing, it may vary on different platforms.

² MTBF - Mean Time Between Failures based on part stress analysis.

All information provided here is subject to change without prior notice.



Solid State Storage Technology Corporation (SSSTC) is a global leader in the design, development, and manufacturing of Solid State Drives (SSDs). SSSTC offers customized solutions to PC Client, Industrial Solutions, Enterprise/Data Center, and Cloud and Edge Computing markets.

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